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(71) Applicant (for all designated States except US): **GE HEALTHCARE LIMITED** [GB/GB]; Amersham Place,
Little Chalfont, Buckinghamshire HP7 9NA (GB).

(72) Inventors; and

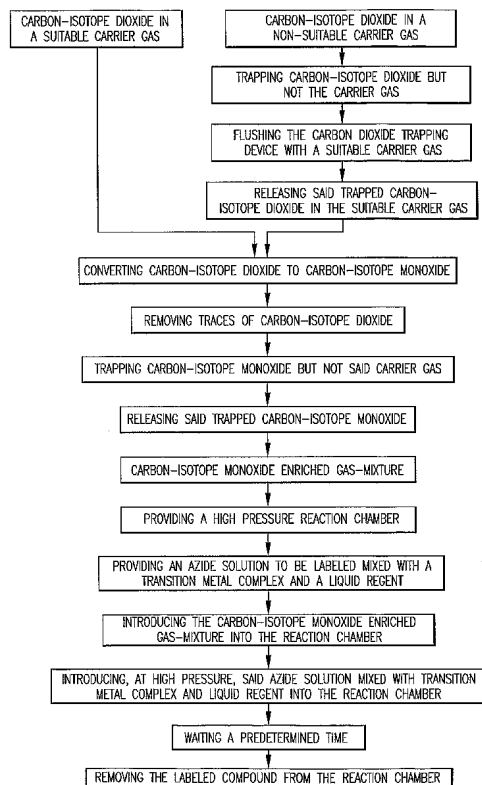
(75) Inventors/Applicants (for US only): **LANGSTROM,**

Bengt [SE/SE]; Uppsala Research Imaging Solutions AB, Akademiska sjukhset, S-751 85 Uppsala (SE). **BAR-LETTA, Julien** [SE/SE]; Uppsala University, Department of Organic Chemistry Box 599, S-751 24 Uppsala (SE). **DOI, Hisashi** [JP/JP]; Division of Regeneration and Advanced, Medical Science, Gifu University Graduate School of Medicine, 1-1 Yanagido, Gifu 501-1193 (JP). **SUZUKI, Masaaki** [JP/JP]; Division of Regeneration and Advanced, Medical Science, Gifu University Graduate School of Medicine, 1-1 Yanagido, Gifu 501-1193 (JP). **NOYORI, Ryoji** [JP/JP]; Department of Chemistry and Research, Center for Materials Science, Nagoya University, Chikusa, Nagoya 464-8602 (JP). **WATANABE, Yasuyoshi** [JP/JP]; Department of Physiology, Osaka City University Graduate School of medicine, 1-4-3 Asahimachi, Abeno-ku, Osaka 545-8585 (JP). **KARIMI, Farhad** [SE/SE]; Uppsala Research Imaging, Solutions AB, Akademiska Sjukhset, S-751 85 Uppsala (SE).

(74) Agents: **CAI, Li**, et al.; Amersham Health, Inc., 101 Carnegie Center, Princeton, NJ 08540 (US).

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(54) Title: METHODS FOR CARBON ISOTOPE LABELING SYNTHESIS BY RHODIUM-PROMOTED CARBONYLATION VIA ISOCYANATE USING AZIDES AND CARBON-ISOTOPE MONOXIDE



(57) Abstract: Methods and reagents for rhodium-promoted carbonylation via isocyanate using carbon-isotope labeled carbon monoxide are provided. The resultant carbon isotope labeled compounds are useful as radiopharmaceuticals, especially for use in Positron Emission Tomography (PET). Associated kits for PET studies are also provided.

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